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DATA MINING X

**DATA MINING, PROTECTION,
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Preface

This book contains the papers presented at the Tenth International Conference on Data Mining held in Crete. We are celebrating the 11 years of this conference series, the first international conference of its type on Data Mining in the world. The start of this conference took place in Rio de Janeiro in 1998, followed by the 2000 meeting in Cambridge, the third in Bologna in 2002, the 2003 conference again in Rio de Janeiro, 2004 in Malaga, 2005 in Skiathos, 2006 in Prague, 2007 in the New Forest, and 2008 in Cádiz.

The conference provides a platform to discuss the theory and applications of data mining, with emphasis on real applications. Image search and processing, complex networks, knowledge discovery and new analysis in safety and security are, for example, important research areas of renewed and expanding interest.

New areas of data mining application have gradually moved to textual data mining (Text mining) and applications to the Web (Web mining). Recently the ‘explosion’ of YouTube and FaceBook utilization, for example, has pointed out the importance of the application of data mining to Video (Video mining). In this way, the principal areas of applications now vary from ‘The Voice of Customer’ (Marketing), to ‘Intelligence for National Security’. The Mumbai attacks, for instance, illustrate that data mining applied to video could represent a way of preventing terrorist actions. All this shows the growing importance of data mining in our society, with the result of it becoming more pervasive.

We hope that this conference will stimulate data mining research and provide the practitioners with better technologies and tools.

The Editors wish to express their gratitude to the members of the International Scientific Advisory Committee, and other colleagues, for their excellent work reviewing the papers, as well for their invaluable advice.

The Editors
Crete, 2009

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